

रॉयल NO.

NOV 20 2002

09/873,224

RECEIVED

~~NOV 21 2002~~

(Use several sheets if necessary)

MAERTENS et al.

FILING DATE

GROUP

June 5, 2001

1645

TECH CENTER 1600/2900

*EXAMINER

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

*Examiner

Date Considered

4/15/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

2752-45

APPLICANT

MAERTENS et al.

FILING DATE

June 5, 2001

SERIAL NO.

Not Yet Assigned

GROUP

(Use several sheets if necessary)

19903 U.S. PTO
09/873224
06/05/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
4/15/03		WO 92/19743	11/1992	WIPO WO				
4/15/03		WO 93/06126	04/1993	WIPO WO				
4/15/03		WO 93/10239	05/1993	WIPO WO				
4/15/03		0419182	03/1997	EP				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

4/15/03	X	S.W. CHAN et al., "Analysis of a new hepatitis C type and its phylogenetic relationship to existing variants", J. of General Virology (1992), Vol. 73, pp. 1131-1141
4/15/03	X	S. MORI et al., "A new type of hepatitis C in patients in Thailand", Biochemical and Biophysical Research Communications, Vol. 183, No. 1, 1992, pp. 334-342
4/15/03	X	T.A. CHA et al., "At least five related but distinct genotypes of hepatitis C virus exist", Proc. National Acad. Sci., USA, Vol. 89, pp. 7144-7148, August, 1992
4/15/03	X	A. WEINER et al., "Variable and hypervariable regions are found in the regions of HCV corresponding to the flavivirus envelope and NS1 proteins", Virology, 180, (1991) pp. 842-848
4/15/03	X	K. CHAYAMA et al., "Genotypic subtyping of hepatitis C virus", Journal of Gastroenterology and Hepatology, Vol. 8, (1993) pp. 150-156
4/15/03	X	L. STUYVER et al., "Analysis of the putative E1 envelope and NS4a epitope regions of HCV type 3", Biochemical and Biophysical Research Communications, Vol. 192, No. 2, 1993, pp. 635-641
4/15/03	X	L. STUYVER et al., "Typing of hepatitis C virus isolates and characterization of new subtypes using a line probe assay", Journal of General Virology, Vol. 74, 1993, pp. 1093-1102
4/15/03	X	P. SIMMONDS et al., Mapping of serotype-specific immunodominant epitopes in the NS4 region of hepatitis C virus", Journal of Clinical Microbiology, Vol. 31, 1993, pp. 1493-1503
4/15/03	X	GEORGE et al., in Macromolecular Sequencing and synthesis, Selected Methods and Applications, Schlesinger (ed.), 1988, Alan R. Liss, Inc., New York, pp. 127-149
4/15/03	X	CHEN et al. Virology, 188: 102 (1992)
4/15/03	X	WALLACE et al., Methods Enzymol. 152: 432 (1987)
4/15/03	X	BUKH, PNAS 89: 4942 (1992)
4/15/03	X	INNIS et al., PCR Protocols: A Guide to Methods and Applications, 1990, (Innis et al. (ed.), Academic Press, New York, pp. 3-11
4/15/03	X	Kato et al, "Molecular Cloning of the Human Hepatitis C Virus Genome Form Japanese Patients with Non-A Non-B Hepatitis", PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258
4/15/03	X	Van Doorn et al, "Sequence Analysis of Hepatitis C Virus Genotypes 1 to 5", DATABASE GENBAN 'Online' Accession No. X78863, 20 May 1994 (1995-05-20), XP002017147
4/15/03	X	Hotta et al, "Subtype Analysis of Hepatitis C Virus in Indonesia", DATABASE GENBAN 'Online' Accession No. D26387, 4 February 1994 (1994-02-04), XP002017146
4/15/03		European Search Report

*Examiner	Date Considered
-----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

2752-45

APPLICANT

MAERTENS et al

FILING DATE

June 5, 2001

SERIAL NO.

Not Yet Assigned

GROUP

Not Yet Assigned

(Use several sheets if necessary)

3903 U.S. PTO
09/07/2004
06/05/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
4/15/03	WO 94/25601	11/1994	PCT WO			
	WO 93/00365	1/1993	PCT			
	WO 95/01442 A	1/1995	PCT			
4/15/03	EP 0 532 167	3/1997	EP			
4/15/03	JP 6-319563	11/1994	Japan			
	EP 0 532 167	07/03/97	EP			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Liu, et al, "Genomic typing of hepatitis C viruses present in China", GENE, Vol. 114, No. 2, pages 245-250 (1992).
4/15/03	Stuyver et al, "Classification of hepatitis C viruses based on phylogenetic analysis ...", Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 21, pages 10134-10138 (1994).
	Van Doorn et al, "Analysis of hepatitis C virus genotypes by a line probe assay ...", Journal of Hepatology, Vol. 21, No. 1, pages 122-129 (1994).
	Bukh et al, "At least 12 genotypes of hepatitis C virus predicted by sequence ...", Proceedings of the National Academy of Sciences of USA, Vol. 90, pages 8234-8238 (1993).
	Bukh et al, "Sequence analysis of the core gene of the 14 hepatitis C virus genotypes", Proceedings of the National Academy of Sciences of USA, Vol. 91, pages 8239-8244 (1994).
4/15/03	Enomoto et al, "There are two major types of hepatitis C virus in Japan", Biochem. Biophys. Res. Commun., Vol. 170, No. 3, 1990, pages 1021-1025, XP002017145.
	Tokita et al, "Hepatitis C virus variants from Vietnam are classifiable ...", Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 23, pages 11022-11026 (1994).
	Stuyver et al, "Hepatitis C virus genotyping by means of 5' UR/core ...", Virus Research, Vol. 38, No. 2-3, pages 137-157 (1995).
	Qu et al, Journal of General Virology, Vol. 75, No. 5, pages 1063-1070 (1994).
4/15/03	Driesel et al, "Hepatitis C Virus (HCV) Genotype ...", Arch Virol (1994) 139:379-388.

*Examiner

Date Considered

4/15/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)